



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Soler & Palau USA, Inc.
6393 Powers Avenue
Jacksonville, FL 32217

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model DB Aluminum Rooftop Fan

APPROVAL DOCUMENT: Drawing No. **DBMDHF**, titled "Down Blast DB 6-48", sheets 1 through 5 of 5, dated 06/25/2012, prepared by the manufacturer, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

LIMITATION: This fan cannot be installed within the ridge area, FBC 1523.6.5.2.13.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA # 09-0513.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
09/20/2012

NOA No. 12-0229.09
Expiration Date: September 09, 2014
Approval Date: September 27, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **DBMDHF**, titled "Down Blast DB 6-48", sheets 1 through 5 of 5, dated 06/25/2012, prepared by the manufacturer, signed and sealed by Scott Wolters, P.E.

B. TESTS *"Submitted under NOA # 09-0513.01"*

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Model DB Centrifugal Roof Exhauster, prepared by Hurricane Test Laboratory, LLC., Test Report No. **0530-0103-09**, dated 08/07/2009, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor verification calculations, prepared by Wolters Engineering, Inc, dated 07/30/2012, signed and sealed by Scott Wolters, P.E.

"Submitted under NOA # 09-0513.01"

2. Anchor verification calculations, prepared by Wolters Engineering, Inc, dated 04/29/2009, signed and sealed by Scott Wolters, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and no financial interest, issued by Wolters Engineering, Inc, dated 07/30/2012, signed and sealed by Scott Wolters, P.E.

"Submitted under NOA # 09-0513.01"

2. Statement letter of code conformance issued by Wolters Engineering, Inc, dated 04/30/2009, signed and sealed by Scott Wolters, P.E.
3. Statement letter of no financial interest issued by Wolters Engineering, Inc, dated 04/30/2009, signed and sealed by Scott Wolters, P.E.
4. Laboratory compliance letter issued by Hurricane Test Laboratory, LLC., Test Report No. **0530-0103-09**, dated 08/07/2009, signed and sealed by Vinu J. Abraham, P.E.


09/20/2012

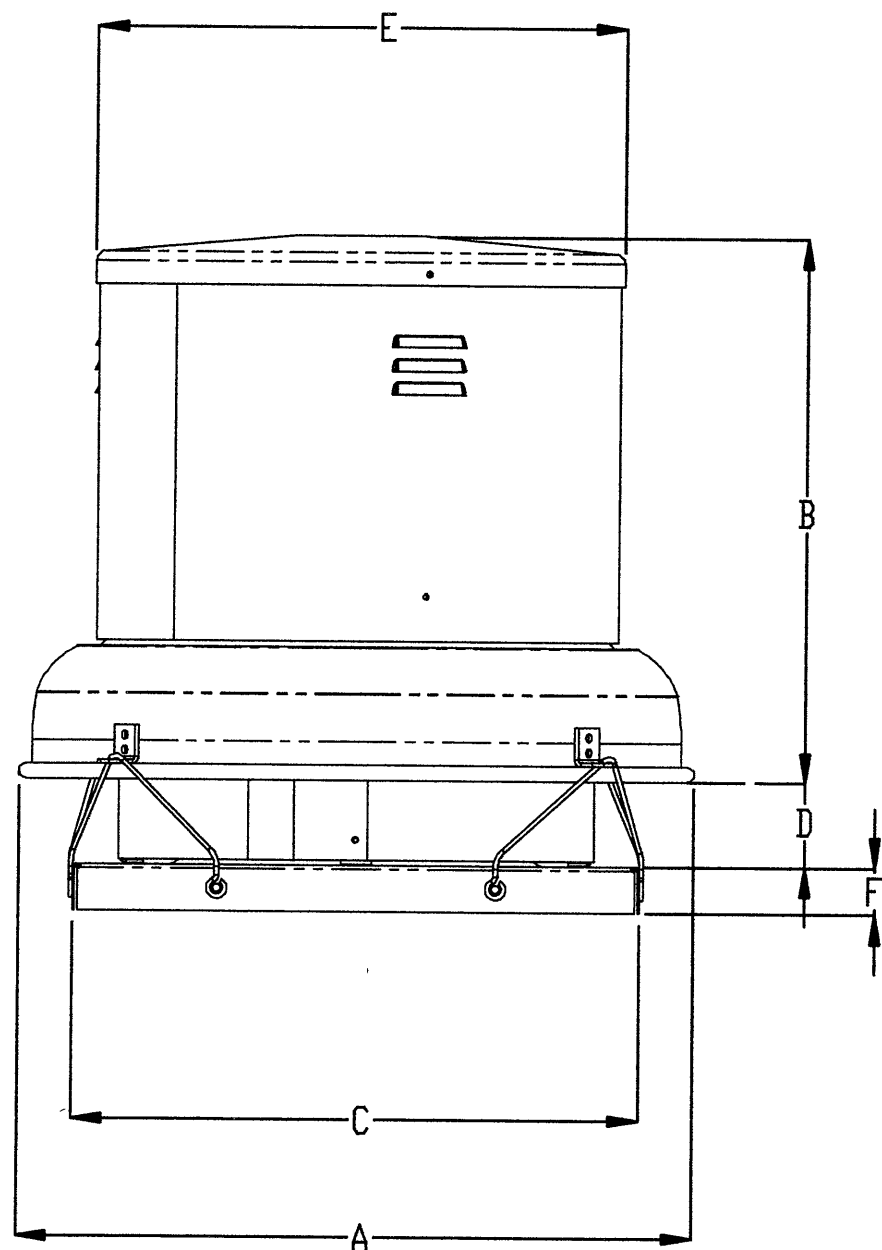
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0229.09

Expiration Date: September 09, 2014
Approval Date: September 27, 2012

MODEL	A	B	C	D	E	F
DB-6	20 1/2	17 1/2	16 1/2	3 1/2	16 1/8	1 3/4
DB-8	20-1/2	17 1/2	16 1/2	3 1/2	16 1/8	2
DB-9	20 1/2	17 1/2	16 1/2	3 1/2	16 1/8	2
DB-11	28 3/8	23	24	3 1/2	22 1/2	2
DB-12	28 3/8	23	24	3 1/2	22 1/2	2 1/2
DB-14	28 3/8	23	24	3 1/2	22 1/2	2 1/2
DB-16	32 1/4	24	24	6	26 1/4	2 1/2
DB-18	32 1/4	24	29 1/2	4 1/2	26 1/4	2 1/2
DB-20	36 3/4	24 1/2	29 1/2	4 1/2	26 1/4	2 1/2
DB-24	41 1/4	26 1/2	35 3/4	8 1/2	30	2 1/2
DB-30	58 3/8	37	42 1/2	5 1/2	41	2 1/2
DB-36	58 3/8	37	42 1/2	10	41	2 1/2
DB-42	73	40 1/2	55	10	54 5/8	2 1/2
DB-48	73	40 1/2	55	13	54 5/8	2 1/2

NOTES:

1. MODEL DB HAS BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH THE MIAMI DADE TEST PROTOCOL TAS-201 (LARGE MISSILE IMPACT) TAS-202 (STATIC LOADING) AND TAS-203 (CYCLICAL LOAD TEST).
2. THIS FAN HAS NOT BEEN TESTED FOR WIND DRIVEN RAIN PER FBC, TAS 100(A).
3. THIS APPROVAL IS FOR THE STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.
4. ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY ROOF TOP FANS. FASTENERS SHALL BE AS SPECIFIED AND INSTALLED AS DETAILED
5. DESIGN TESTING AND INSTALLATION CONFORMS TO 2010 FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
6. FAN CURBS MUST BE ANCHORED TO ROOF FRAMING MEMBERS AND NOT TO THE ROOFING SYSTEM.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0229.09
Expiration Date 09/29/2014
By *[Signature]*
Miami Dade Product Control

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
PH/FAX(954) 921-5828

JUL 30 2012

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE

FRACTIONS	DECIMALS	ANGLES
± 1/16	XX ± .03	± 1°
	XXX ± .005	

MATERIAL PROJECT NO. DATE
BY APPROVALS
CHECKED 06/25/2012
NOT TO SCALE DRAWING

Soler & Palau USA

DOWN BLAST
SUMMARY

REV	DESCRIPTION	DATE	BY
A	ORIGINAL	06/25/2012	PG

NOT TO SCALE

CAD FILE	DBMDHF	2	C	SHEET 2 OF 5
REVISIONS				
REV.	DATE	DESCRIPTION	BY	DATE
A		REVISED PER HOC LTR DTD 7/7/09	RHAY	7/8/09
B		REVISED HOC LTR DTD	VNC	7/14/09
C		REVISED NOTES PER HOC	PG	06/25/2012

ITEM No.	QUANTITY	DESCRIPTION	MATERIAL	DIMENSIONS
1	1	BASE CAP	ALUMINUM 3003-H14	.090X55.00X55.00 max
2	10	SUPPORT LEG	GALVANIZED G-90	10 Ga. 29 1/4max X2 1/2
3	1	WIND BAND	ALUMINUM 3003-H14	.050 X56.00 max
4	1	SKIRT	ALUMINUM 3003-H14	.100 x73.00 max O.D.
5	5	SKIRT STRUT	GALVINZED G-90	12GA. 8 1/2 max 1 1/4
6	1	DRIVE COVER	ALUMINUM 3003-H14	.050x54 1/2 max
7	1	DRIVE COVER CAP	ALUMINUM 3003-H14	.050x54 5/8 max
8	4	TIE DOWN CLIP	ALUMINUM 3003-H14	.190x 1.25x 1.70 max
9	4	TIE DOWN CABLE	GALVANIZED	3/16 In. 7X19 max.
10	8	CABLE SLEEVES	ALUMINUM	3/16 sleeves

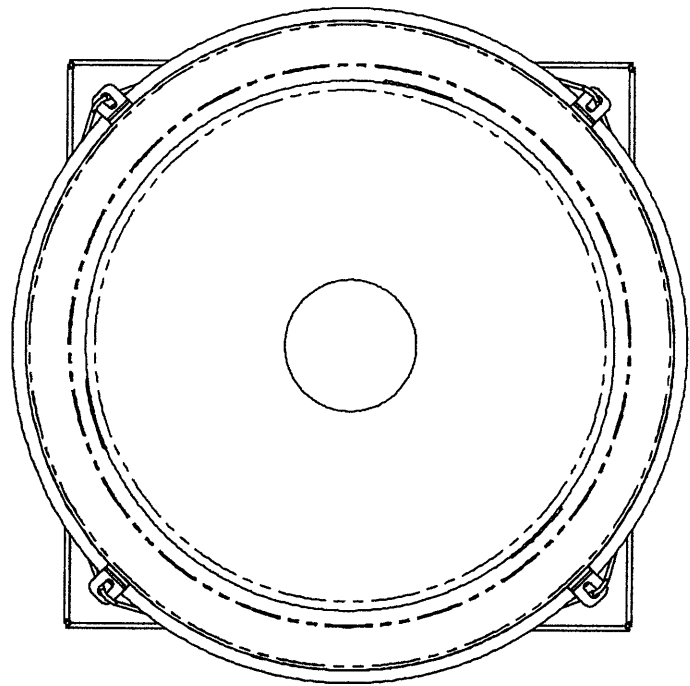
Design Limit	
MAX Design Load	+/- 61 psf(2.9Kpa)
MAX Overall Enclosure Dia.	54 5/8 (1387.5)
MAX Overall Unit Height W/Curb.	77 1/2In(1968.5mm)
MAX. Over Unit Height W/O Curb	53 1/2In(1358.9mm)
MAX. Curb Cap Sq. Dim.	55.00 In(1397mm)
MAX. Roof Curb Sq. Dim.	54.00 In(1371.6 mm.)
MAX. Weight /Dead Load	830 lbs. (3647.5N)
MAX. Over Turn Moment	
MAX Transmitted Shear Force	
Qualified Substrates	Min 2000 Psi Concrete

NOTE: LARGE MISSILE IMPACT RESISTANT

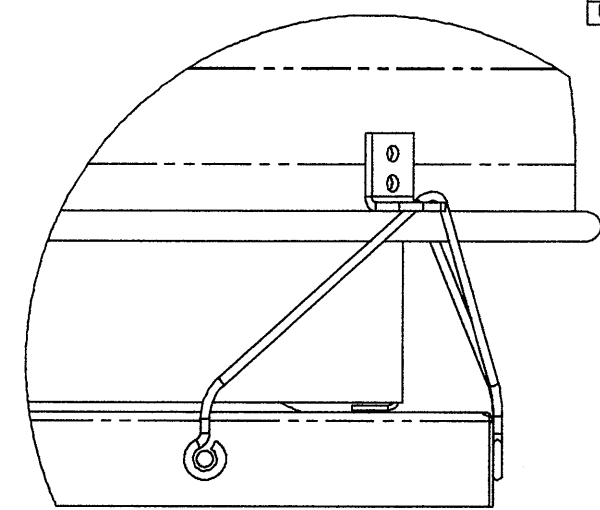
1/8" steel, wood southern yellow pine 2 x member
min. SG = 0.55

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0229.09 Expiration Date 07/07/2014</p> <p>By <i>[Signature]</i> Miami Dade Product Control</p>	<p>SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019 PH/FAX(954) 921-5828</p>	<p>SEAL <i>[Signature]</i></p> <p>JUL 30 2012</p>	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE</p> <table><tr><td>FRACTIONS ± 1/16</td><td>DECIMALS XX ± .03 XXX ± .005</td><td>ANGLES ± 1°</td></tr></table> <p>MATERIAL: PROJECT NO: DATE: DRAWN BY: CHECKED BY: DATE: 06/25/2012</p> <p>DO NOT SCALE DRAWING</p>	FRACTIONS ± 1/16	DECIMALS XX ± .03 XXX ± .005	ANGLES ± 1°	<p>SHEET 2 OF 5</p> <p>Soler & Palau USA</p> <p>DB 6-48</p> <p>DBMDHF</p>
FRACTIONS ± 1/16	DECIMALS XX ± .03 XXX ± .005	ANGLES ± 1°					

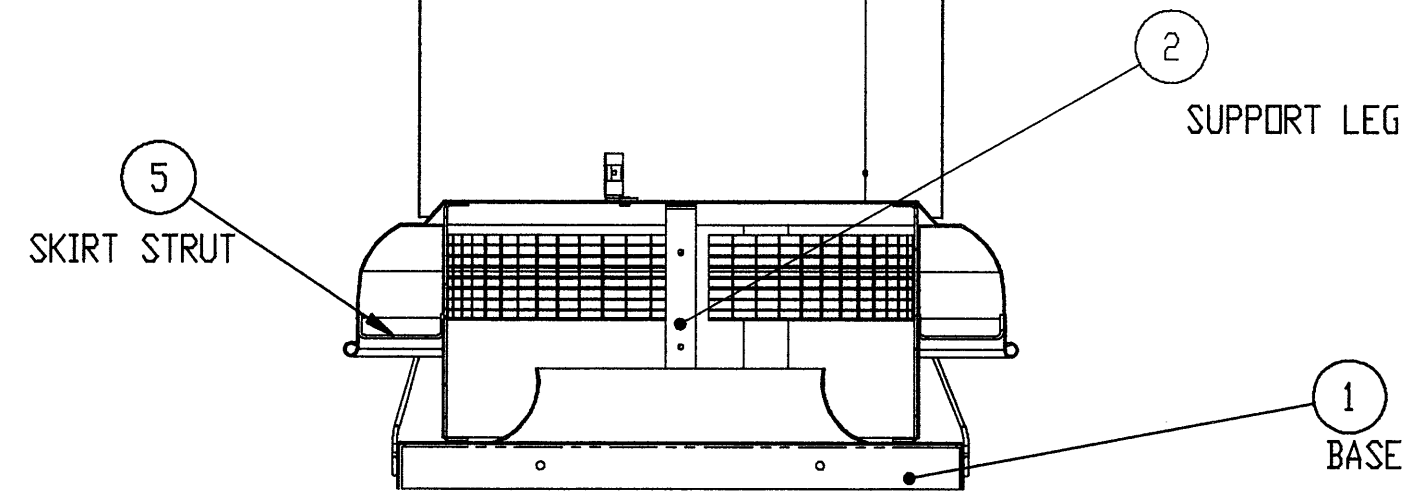
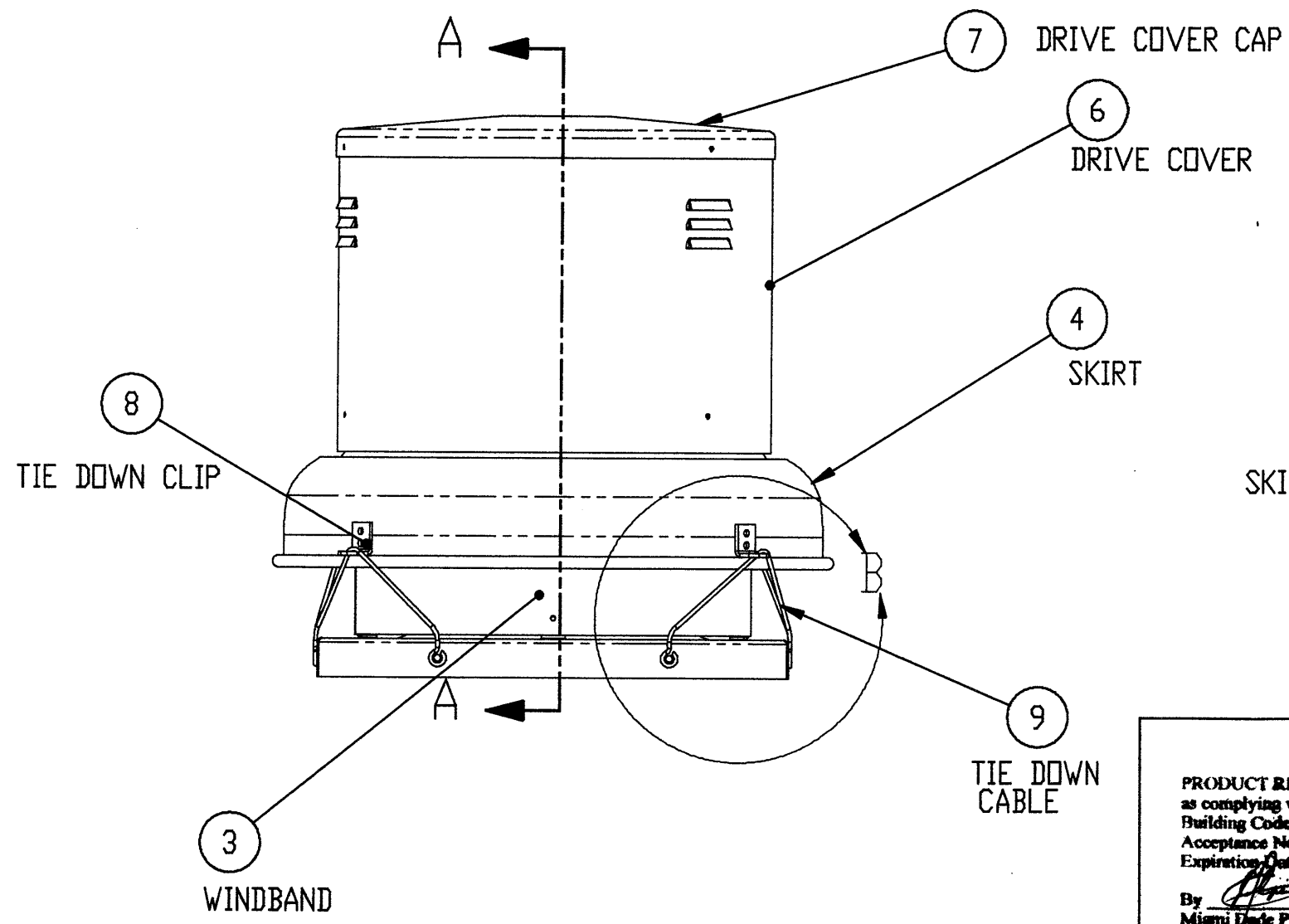
CAD FILE	DBMDHF	3	C	SHEET 3 OF 5
REVISIONS				
REV.	ZONE	DESCRIPTION	BY	DATE
A		REVISED PER NDC LTR DTD 7/7/09	RAY	7/8/09
B		REVISED PER NDC LTR DTD	WHL	7/14/09
C		REVISED NOTES PER NDC	PG	06/25/2012



NOTE:
LARGE MISSILE IMPACT RESSISTANT



DETAIL B
SCALE 1 : 4



SECTION A-A
SCALE 1 : 8

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0229.09
Expiration Date 09/09/2014

By [Signature]
Miami Made Product Control

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
PH/FAX(954) 921-5828

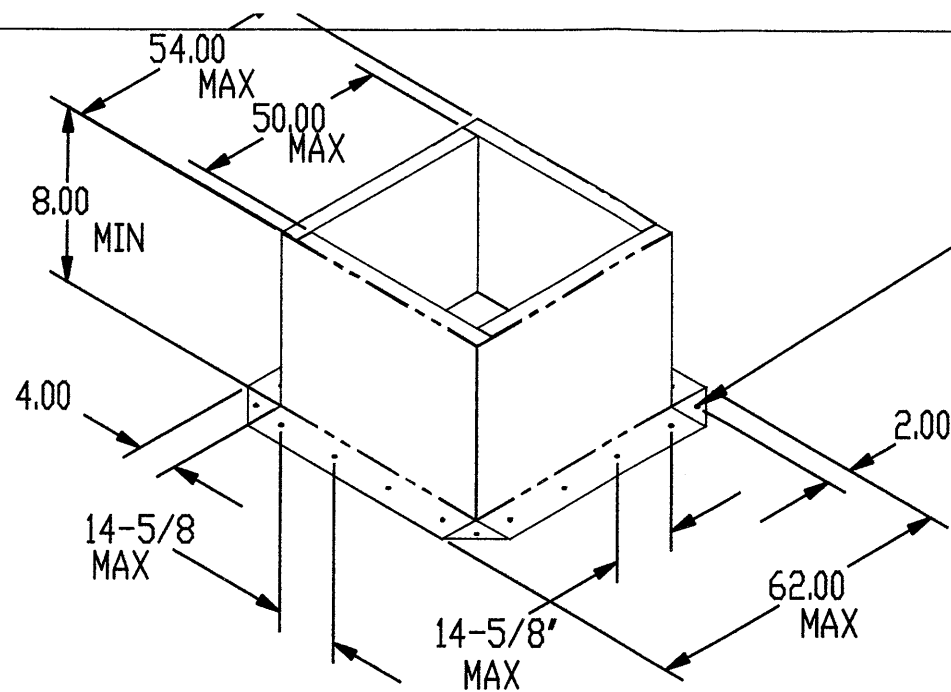
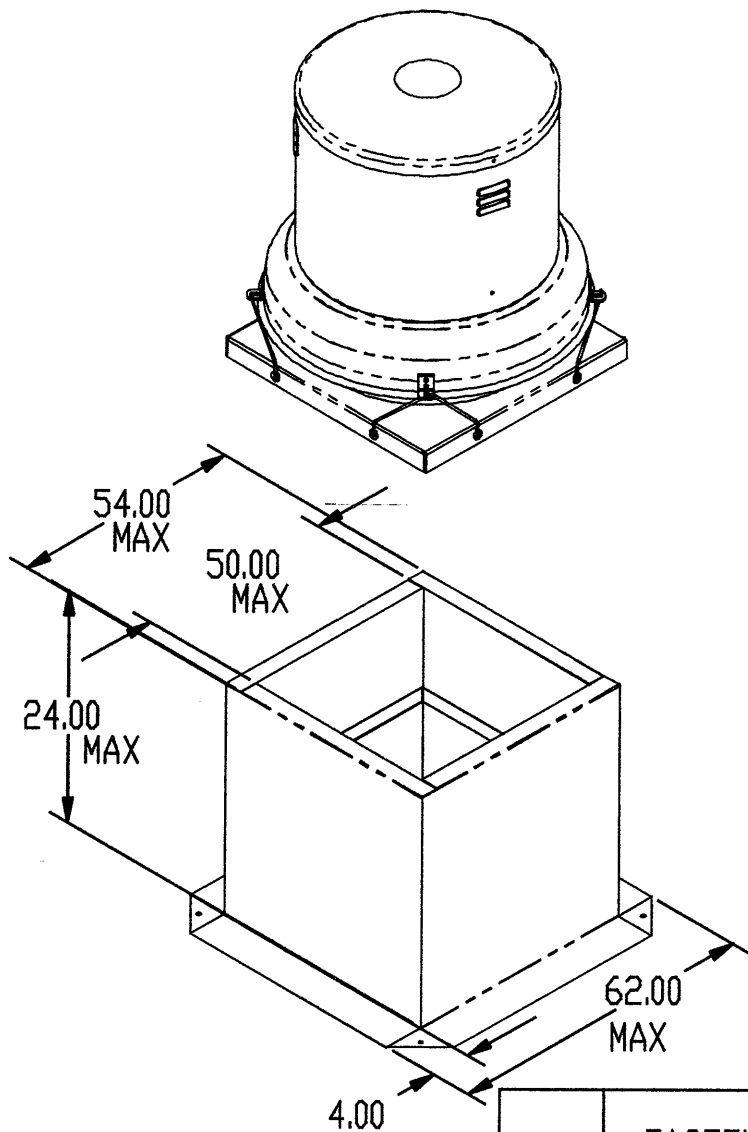
SEAL
[Signature]

JUL 30 2012

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE				SHEET 3 OF 5	
FRACTIONS ± 1/16	DECIMALS XX ± .03 XXX ± .005	ANGLES ± 1°	Soler & Palau USA		
MATERIAL			PROJECT NO.		
DRAWN			DATE		
CHECKED			DATE		
NOT TO SCALE			NOT TO SCALE		



CAD FILE	DBMDHF	4	C	SHEET 4 OF 5
REVISIONS				
REV.	DATE	DESCRIPTION	BY	DATE
A		REVISED PER MMC LTR 013 7/7/09	RAY	7/8/09
B		REVISED PER MMC LTR 013	VNC	7/14/09
C		REVISED NOTES PER HDC	PG	06/25/2012



SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM SEE TABLE FOR MINIMUM QUANTITY OF ANCHORS REQUIRED PER CURB SIDE.

Curb Note;

CURB MUST BE ATTACHED TO A STRUCTURAL MEMBER OF THE BUILDING.

Concrete Deck:
Curb anchorage should be into minimum 2000 PSI concrete.
Use 3/8 x 3" wedge anchors or equal, one each corner, each side
Of center of curb, and maximum 14 5/8 inches on center spacing along side.
Anchors shall be minimum 1 5/8" embedment and 1 1/4" from edge distance.

Steel Roof Structure:
Or should be into minimum 12Ga. (1/8") steel member.
Fasteners shall be #12-14 x 1 1/4" self drilling screws or equal,
1 fastener each corner, 1 each side at center of unit and maximum
On center spacing of 14 5/8" each side.

Timber Roof Structure:
Or shall be into minimum No. 1 / No. 2 southern pine 2x member (SG=0.55 or better).
Fasteners shall be # 12x3" wood screws or equal. Fasteners shall be installed one each corner.
Each side at center of unit, and at 12 5/8" maximum on center spacing along the side.
Center fastener on supporting 2 x members with minimum 2" thread engagement and 2" end distance. Curb must be anchored to the roof framing and not to the roofing system.

FASTENER TABLE			
UNIT SIZE	FASTENER NEEDED SELF DRILLING SCREWS	MIN. NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB	MIN NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO ROOF STRUCTURE
6	#12-14X1-3/4"	3	3
8	#12-14X1-3/4"	3	3
9	#12-14X1-3/4"	3	3
11	#12-14X1-3/4"	3	3
12	#12-14X1-3/4"	3	3
14	#12-14X1-3/4"	3	3
16	#12-14X1-3/4"	3	3
18	#12-14X1-3/4"	5	5
20	#12-14X1-3/4"	5	5
24	#12-14X1-3/4"	5	5
30	#12-14X1-3/4"	5	5
36	#12-14X1-3/4"	5	5
42	#12-14X1-3/4"	5	5
48	#12-14X1-3/4"	5	5

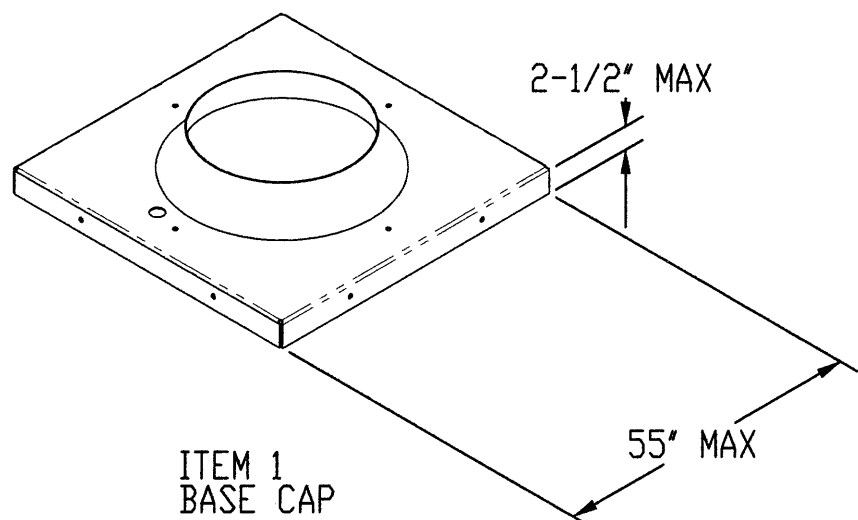
NOTE: LARGE MISSLE IMPACT RESISTANT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0229-09
Expiration Date 03/09/2014
By *[Signature]*
Miami Dade Product Control

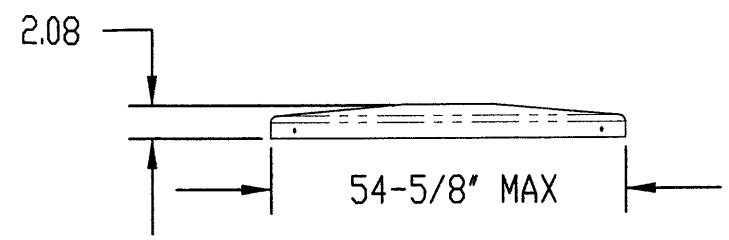
SCOTT WOLTERS
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SEAL
[Signature]
JUL 30 2012

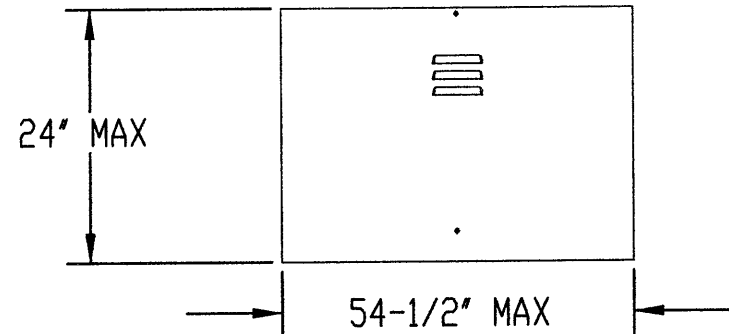
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE				SHEET 4 OF 5			
FRACTIONS ± 1/16				DECIMALS XX ± .03 XXX ± .005		ANGLES ± 1°	
MATERIAL				PROJECT NO.			
FINISH				APPROVALS		DATE	
NOT TO SCALE DRAWING				16/05/2002		DB 6-48	
NOT TO SCALE				DBMDHF		C	



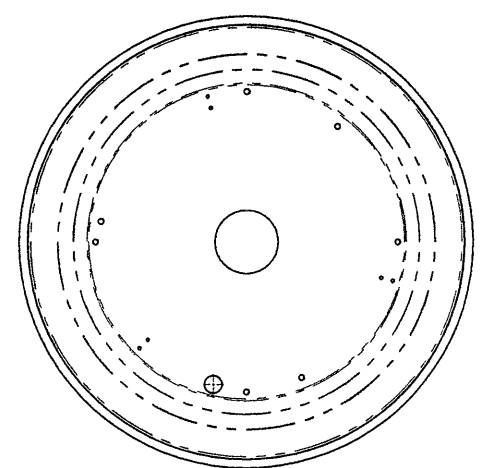
ITEM 1
BASE CAP



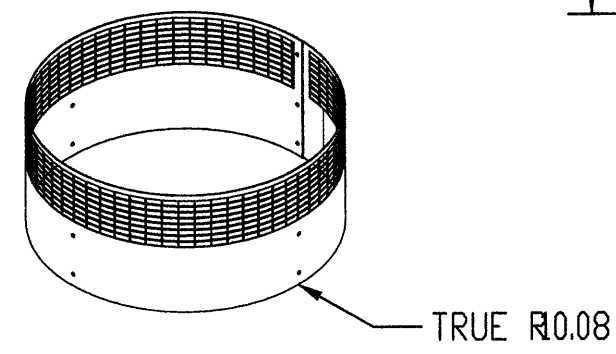
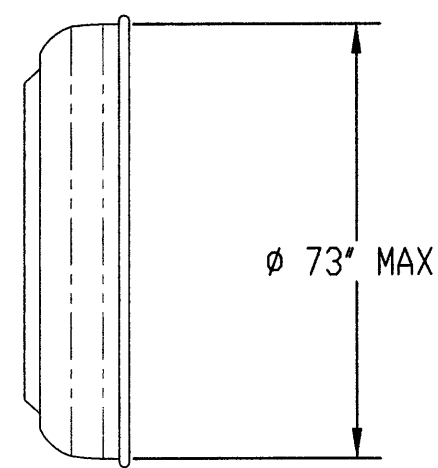
ITEM 7
DRIVE COVER CAP



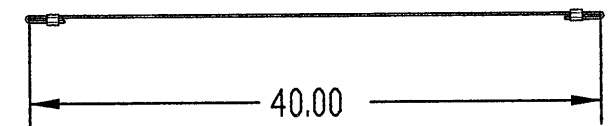
ITEM 6
DRIVE COVER



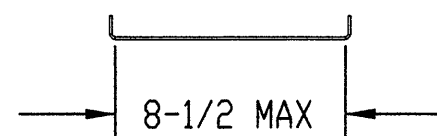
ITEM 4
SKIRT



ITEM 3
WINDBAND



ITEM 9
TIE DOWN CABLE



ITEM 2
DRIVE SUPPORT
LEG

NOTE: LARGE MISSILE IMPACT
RESISTANT

PRODUCT REVISED

as complying with the Florida

Building Code

Acceptance No 12-0229-09

Expiration Date 09/09/2014

By *[Signature]*

Miami Dade Product Control

SCOTT WOLTERS

FL PE# 62354

WOLTERS ENGINEERING

(COA# 27194)

1271 GRANT STREET

HOLLYWOOD, FL 33019

PH/FAX: (954) 921-5828

SEALED

[Signature]

JUL 30 2012

SHEET 5 OF 5

Soler & Palau USA

DB 6-48

DBMDHF

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE

FRACTIONS	DECIMALS	ANGLES
± 1/16	XX ± .03	± 1°
	XXX ± .005	

MATERIAL

DO NOT SCALE DRAWING

PROJECT NO.

DATE

06/25/2012

SIZE

A

NOT TO SCALE